

optical interference coating is not susceptible to cohesive failure from tensile stress, each of said alternating layers of high index of refraction material and low index of refraction material being a separate and distinct layer from adjacent layers.

12. (twice amended) An electric lamp comprising a light transmissive envelope containing an electric light source within, wherein at least a portion of said envelope is coated with an optical interference coating for reflecting infrared radiation and transmitting visible light radiation, said coating comprising alternating layers of high index of refraction material and low index of refraction material, the total number of said layers being greater than 60, said optical interference coating having sufficiently low tensile stress such that said optical interference coating is not susceptible to cohesive failure from tensile stress, each of said alternating layers of high index of refraction material and low index of refraction material being a separate and distinct layer from adjacent layers.

21. (amended) An optical interference coating for reflecting infrared radiation and transmitting visible light comprising alternating layers of high index of refraction material and low index of refraction material, each of said alternating layers of high index of refraction material and low index of refraction material being a separate and distinct layer from adjacent layers, the total number of said layers of high index of refraction material and low index of refraction material being greater than 51, wherein a ratio of the total thickness of all of the layers of high index of refraction material to the total thickness of all of the layers of low index of refraction material, r , is greater than 0.76.

27. (amended) An electric lamp comprising a light transmissive envelope containing an electric light source within, wherein at least a portion of said envelope is coated with an optical interference coating for reflecting infrared radiation and transmitting visible light radiation, said coating comprising alternating layers of high index of refraction material and low index of refraction material, each of said alternating layers of high index of refraction material and low index of refraction material being a separate and distinct layer from adjacent layers, the total number of said layers of high index of refraction material and low index of refraction material being greater than 51, wherein a ratio of the total thickness of all of the layers of high index of refraction material to the total thickness of all of the layers of low index of refraction material, r , is greater than 0.76.

Please add new claims 33-38 as follows.

1 33. (new) An optical interference coating according to claim 21, the total number of
2 layers of high index of refraction material and low index of refraction material being greater
3 than 60.

1 34. (new) An optical interference coating according to claim 21, said ratio, r , being
2 effective to result in sufficiently low tensile stress in said optical interference coating such
3 that said optical interference coating is not susceptible to cohesive failure from tensile stress.

1 35. (new) An optical interference coating according to claim 21, the total number of
2 layers of high index of refraction material and low index of refraction material being greater
3 than 60, and said ratio, r , being effective to result in sufficiently low tensile stress in said
4 optical interference coating such that said optical interference coating is not susceptible to
5 cohesive failure from tensile stress.

1 36. (new) An electric lamp according to claim 27, the total number of layers of high
2 index of refraction material and low index of refraction material being greater than 60.

1 37. (new) An electric lamp according to claim 27, said ratio, r , being effective to
2 result in sufficiently low tensile stress in said optical interference coating such that said
3 optical interference coating is not susceptible to cohesive failure from tensile stress.

1 38. (new) An electric lamp according to claim 27, the total number of layers of high
2 index of refraction material and low index of refraction material being greater than 60, and
3 said ratio, r , being effective to result in sufficiently low tensile stress in said optical
4 interference coating such that said optical interference coating is not susceptible to cohesive
5 failure from tensile stress.

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